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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/844,670	04/30/2001	Radhika Thekkath	MTEC011/00US	8985
22903	7590 07/21/2005		EXAMINER	
COOLEY GODWARD LLP			KHATRI, ANIL	
ATTN: PATENT GROUP 11951 FREEDOM DRIVE, SUITE 1700			ART UNIT	PAPER NUMBER
ONE FREEDOM SQUARE- RESTON TOWN CENTER RESTON, VA 20190-5061			2193	
RESTON, V	RESTON, VA 20190-3001		DATE MAILED: 07/21/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Nation of Allowability. A	09/844,670	THEKKATH ET AL.
Notice of Allowability (Sufflemental)	Examiner	Art Unit
(Sufflemental)	Anil Khatri	2124
The MAILING DATE of this communication apper All daims being allowable, PROSECUTION ON THE MERITS IS nerewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RID of the Office or upon petition by the applicant. See 37 CFR 1.313 of the Office or upon petition by the applicant. See 37 CFR 1.313 of the allowed claim(s) is/are 1-23.  The allowed claim(s) is/are 1-23.  The drawings filed on 30 April 2004 are accepted by the Extension of the communication is made of a claim for foreign priority unestable and the priority documents have a communication of the certified copies of the priority documents have and the communication of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the priority documents have	pars on the cover sheet with this apport or other appropriate communication GHTS. This application is subject to and MPEP 1308.  It was a subject to and MPEP 1308.	orrespondence address plication. If not included n will be mailed in due course. THIS o withdrawal from issue at the initiative  national stage application from the
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give  6. CORRECTED DRAWINGS (as "replacement sheets") mus	itted. Note the attached EXAMINER es reason(s) why the oath or declara	'S AMENDMENT or NOTICE OF ation is deficient.
(a) ☐ including changes required by the Notice of Draftspers		.Q48) attached
1) hereto or 2) to Paper No./Mail Date	•	o-ro) attached
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	
ldentifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the drawle ne header according to 37 CFR 1.121(	ngs In the front (not the back) of d).
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I	sit of BIOLOGICAL MATERIAL I FOR THE DEPOSIT OF BIOLOGIC	nust be submitted. Note the AL MATERIAL.
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Attachment(s)  I. Motice of References Cited (PTO-892)	5. Notice of Informal P	atent Application (PTO-152)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	* * * * * * * * * * * * * * * * * * * *
Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 6/30/05	Paper No./Mail Da	te .
Examiner's Comment Regarding Requirement for Deposit      Side side 1		ent of Reasons for Allowance
of Biological Material	9. ☐ Other	ANIL KHATRI IMARY EXAMINER

Art Unit: 2193

## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with William Galliani on 6/30/05.

In claim 10, line 1,

Delete

"transmission"

Insert

"tangible"

## Allowable Subject Matter

Claims 1-23 are allowed. (supplemental)

The following is an examiner's statement of reasons for allowance:

The prior art taken alone or in combination fails to disclose the claimed invention of onchip debugging, and more specifically to program counter (PC) and data tracing in embedded processor systems. Specifically, claims 1, 7, 8, 10, 11 and 20 are directed to trace data order determination element configured to generate a trace date order signal when trace data become available for cache miss, trace data mapped to current ranking of the relative age and trace data order signal is transmits with trace data for cache miss to indicate which previously trace instructions generated the trace data. Therefore, the claimed invention increases control and Art Unit: 2193

flexibility in the generation of tracing data is particularly important for the embedded processor industry.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anil Khatri, Primary Examiner whose telephone number is 571-272-3725. The examiner can normally be reached on M-F 8:30-5:00 PM.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-3725.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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ANIL KHATRI TOMARY EXAMINER